



# NITFS

## Compliance Registration



**Product:** Operational Weather Squadron Production System Phase II,  
Leading Environmental Analysis and Display System (LEADS),  
**Sponsor:** Version 3.0.1  
**Developer:** Air Force Weather Agency, Product Tailoring and Warfighter  
Applications

**Date:** 07 May 2003  
**Expiration:** 07 May 2005  
**Registration #:** 1018

☒ Initial Registration  
☐ Supplemental/Update #  
☐ Derived from Reg.

**Information Processing Systems-MeteoStar®, Inc.**  
**System** N-0105/98, §4.1.1  
**NITFS Features Implemented:**

Complexity Level							
NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

**Product**  
N-0105/98, §4.1.2

☒ **Component**  
N-0105/98, §4.1.3

### Format

- NITF**  
☒ v2.1  
☐ v2.0  
☐ v1.1  
**NSIF**  
☐ v1.0

### Image Segment Types

- ☐ MONO  
☐ RGB  
☒ RGB/LUT  
☐ YCbCr  
☐ MULTI  
☐ NODISPLY  
☐ POLAR

### Data Extension Segments

- ☐ TRE\_OVERFLOW  
☐ STREAMING\_FILE\_HEADER  
☐ Controlled Extensions \*\*  
☐ Registered Extensions \*\*

### Tagged Record Extensions

- ☒ EOPSB  
☒ MAPLOB  
☒ RJPSB

### Pixel Value Types

- ☐ Boolean  
☒ Integer  
☐ Signed Integer \*  
☐ IEEE Real \*  
☐ IEEE Complex \*

### Image Compression

- ☒ Not Compressed  
☐ JPEG Lossy, 8-bit  
☐ JPEG Lossy, 12-bit  
☐ JPEG Downsample  
☐ JPEG Lossless  
☐ JPEG 2000  
☐ B-Level  
☐ Vector Quantization  
☐ Multispectral JPEG, Individual Band

### Annotation Segment Types

- ☐ B-Mapped \*\*  
☐ CGM, 2301  
☐ CGM, 2301A  
☐ Labels \*\*

### Text Segments

- ☒ TA  
☐ TT1  
☐ TT8S  
☐ MTF

### Configurations Tested:

Server: Dell Power Edge, Pentium III (MS Windows 2000)

Client: Dell Precision Workstation 650 (MS Windows 2000)

The OWS OPS II LEADS application is a weather specific product and does not have a general purpose NITFS capability.

Therefore, only NITFS Component compliance was evaluated.

The OWS OPS II LEADS interprets the DIGEST Tagged Record

Extensions (TRES) in NITF weather files when present.

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of the product for the intended use. Optional NITFS features may not be implemented. When a file is output without the TRES, the LEADS application adds the mapping projection data to orient the weather image. In the output file, LEADS generates both the TRES and a Weather Projection Data single text segment with the geospatial attributes.

EDWARD E. BOYLES II, Division Chief  
Joint Interoperability Test Command  
Executive Agent to National Imagery & Mapping Agency  
for the NITFS Test and Evaluation Program